Weight g (1 pce)



ZS4-R1 Screw Clamp Terminal Block Feed-through



Pack^(ing)



4 mm² *10 AWG*

8 mm *0.315 in* Spacing

Features and Benefits

EAN Code

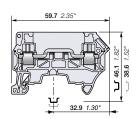
Simplify the alternated feed-through and fuse circuits operations:

- With the same profile as the ZS4-SF1, the wiring of the alternated feed-through and fuse circuits is easier.



Type

Ordering Details



3D CAD outline drawings available on "Control Product 3D" portal

De Order Code EAN

Ordering Details		iypc	Oraci			LAIT COUC		1 don	Weight g (1 pee)	
Grey		ZS4-R1	1SNK 5	508 013 F	R0000	3472595080	137	50	11.00	
Declarations and	Cer	tificates			Document Part Number					
CE CE	UE	Directive			1SND	225 081 C10	06			
CB	Third Party Certificate				1SND 161 031 A0200					
RoHS	Rol	-IS			1SND	1SND 230 491 F0203				
nons										
General Informati	ion									
The following information	n mus	st be strictly adhe	ered to in order to	guarante	the term	inal block electi	rical, mechanio	al and e	nvironmental performance.	
Protection			IP 20	NEN	1A 1					
Rail		٦	DIN3-TH	135						
Wire stripping length)		11 mm	0.43	3 in					
			Screw cl	amn		Screw rail of	contact			
		OCIEW CI	Screw clamp		(Maximum value)					
			Flat scre	Flat screwdriver						
Operating tool		\oslash	3.5 mm	0.13	88 in					
			0.6 Nm	5.31	lb.in					
Torque			± 0.1 Nm		885 lb.in	± 0.1 Nm	± 0.885 lb	.in		
Mechanical endurand of disconnect system										



TYLET ELICIT TUEL HILLERING					
Material Specifications Insulating material			Polyamide		
IRC			600 V		
Flammability		V0			
Tarrinability			12F2		
	Needle flame test I	111 1 10 101	Compliant		
Connecting capacity per clan	np		·		
1 Rigid conductor		0.2-4 mm ²		24-10 AWG	
Flexible conductor without ferrule	e	0.22-4 mm ²		24-10 AWG	
1 Flexible conductor with ferrule		0.22-4 mm ²		24-12 AWG	
Ferrule maximum outer diameter	Ø Max.	5.5 mm 0	.216 in		
Multi Connecting capacity pe	or clamp				
2 Rigid conductors	я стаптр	0.2-1 mm ²		24-18 AWG	
2 Flexible conductors without ferru	ıle	0.22-1 mm ²		24-18 AWG	
2 Flexible conductors with twin fer		0.22-1.5 mm ²		24-16 AWG	
Don't mix solid and flexible condu	1 4.1.4			27707110	
Don't mix solid or flexible conduct	-	e clamp			
The "Connecting capacity with fer	rule " data is guaranteed with ABI	3 crimping tool P	S-3		
Cross section					
Rated cross section		2.5 mm ²		10 AWG	
Maximum Cross section	Manufacturer data	4 mm²	Manufacturer data	10 AWG	
Gauge A3-B3	/ 3 mm / 0.118 in / IEC 6094	7-7-1		·	
Electrical characteristics					
Current					
Rated current			IEC 60947-7-1	24 A	
natod darront	Field and factory wiring Cat.2		UL 1059	26 A	
	Factory wiring Cat.1		02 1000		
			UI 1059	20 A	
	ractory wiring Cat. I		UL 1059 CSA-C-22.2 n° 158		
Rated short-time withstand curren		(UL 1059 CSA-C-22.2 n° 158	26 A	
Rated short-time withstand current Short-time withstand current		(
	t 1 s (lcw)	(CSA-C-22.2 n° 158	26 A	
	t 1 s (lcw) 0.5 s	(CSA-C-22.2 n° 158 Manufacturer data Manufacturer data	26 A	
	t 1 s (lcw) 0.5 s 5 s		CSA-C-22.2 n° 158 Manufacturer data	26 A	
	t 1 s (lcw) 0.5 s 5 s 10 s		Manufacturer data Manufacturer data Manufacturer data Manufacturer data	26 A	
	1 1 s (lcw) 0.5 s 5 s 10 s 30 s		Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data	26 A	
Short-time withstand current	0.5 s 5 s 10 s 30 s 1 mn		Manufacturer data	26 A	
Short-time withstand current Rated short circuit withstand	t 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²)		Manufacturer data CSA-C-22.2 n° 158	26 A 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr	1 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²)	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s)	1 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²)	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (1 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²)	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (1 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²) (SCCR) SA UL 1059 supplem	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (t 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²) (SCCR) SA UL 1059 supplem Maximum voltage	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (t 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²) (SCCR) SA UL 1059 supplem Maximum voltage Suitable conductor wire range	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (t 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²) (SCCR) SA UL 1059 supplem Maximum voltage Suitable conductor wire range Fuse rating	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
Short-time withstand current Rated short circuit withstand Max. current (45° temperature incr Maximum short circuit current (1s) Short Circuit Current Rating (t 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn rease) / Max. cross section (mm²) (SCCR) SA UL 1059 supplem Maximum voltage Suitable conductor wire range Fuse rating Fuse designation	(Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	26 A 480 A 28 A 4 mm ² 480 A	
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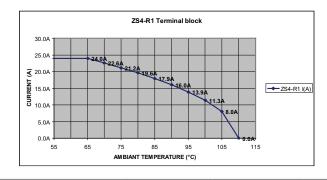


Voltage				
Rated voltage	IEC 60947-1	800 V		
Rated voltage	UL 1059	300 V		
Use Group	UL 1059	С		
Rated voltage	CSA-C-22.2 n° 158	300 V		
Rated voltage Ex e	IEC/EN 60079-11			
Rated impulse withstand voltage		8000 V		
Dielectric test voltage		2200 V		
Pollution degree	IEC 60947-1	3		
Overvoltage category	IEC 60947-1	III		
Dissipated power				
Maximum dissipated power at rated current IEC				
Rated power dissipation at an ambient temperat	ure of 23 °C - IEC 60947-7-3			
Overload and short-circuit protection Separate arrangement				

Overload and short-circuit protection Separate arrangement		
Exclusive short-circuit protection Separate arrangement	[હીઠીફીઠીડ] 1 fuse and 4 feed-through blocks	
Overload and short-circuit protection Compound arrangement		
Exclusive short-circuit protection Compound arrangement	[₹ ₹ ₹ ₹ 5 fuse blocks	

Temperature range								
Ambient temperature min/max	Storage	Storage		-67 +230 F				
	Installing		-5 +40 °C	-23 +104 F				
	Service	IEC 60068-2-1	-55 +110 °C	-67 +230 F				
		EN 60079-7	-55 +85 °C					

Current Derating curve for continuous service temperature





Environmental Characte	ristics			
Additional climatic tests				
Dry heat		IEC 60068-2-2	Compliant	
	Conditions	Temperature	+100 °C	
		Duration of test	96 h	
Cyclic damp heat		IEC 60068-2-30	Compliant	
	Conditions	Temperature	+55 °C	
		Number of cycles	2	
Cold		IEC 60068-2-1	Compliant	
	Conditions	Temperature	-40 °C 96 h	
		Duration of test		
Z /ABDM climatic sequence		IEC 60068-2-61	Complia	nt
	Conditions	Dry heat Duration of test / Temperature	16 h	+85 °C
		Cyclic damp heat Number of cycles / Temperature	1	+55 °C
		Cold Duration of test / Temperature	2 h	-25 °C
Corrosion				
Salt mist		IEC 60068-2-11	Complia	nt
	Conditions	Duration of test	•	
		Concentration	5 %	
SO2		ISO 6988	Compliant	
	Conditions	Duration of test	48 h	
		Concentration	0.2 dm ³	
Sulfur dioxide		IEC 60068-2-42		
	Conditions	Duration of test		
Hydrogen sulfur		IEC 60068-2-43		
, ,	Conditions	Duration of test	st	
Flowing mixed gas corrosion test Conditions		IEC 60068-2-60		
		Number of the test method		
		Duration of test		
Vibrations			·	
Vibrations		IEC 60068-2-6	Complia	nt
	Conditions	Frequency range	10-55 Hz	
		Number of cycles	10	
		Amplitude		
		Acceleration	10 m/s ²	
Ramdom vibrations and climatic sequence		IEC 60068-2-64		
	Conditions	Duration of test		
		Frequency range		
		Acceleration		
		Climatic cycles		
		Step 1 -> Temperature / Duration of test		
		Step 2 -> Temperature / Duration of test		
		Temperature variation per minute		



ZS	ZS4-R1 Terminal Block Accessories Compatibility								
	Description	Type	Order Code	Pack ^(ing)	Weight	Technical Datasheet			
				pieces	g (1 pce)	PDF			
1	End Stops	BAM3	1SNK 900 001 R0000	50	13.80	1SNK 160 026 D0201			
2	End Sections	ES4-SF	1SNK 508 960 R0000	20	1.82	1SNK 160 019 D0201			
3	Protecting Covers	СО	1SNK 900 604 R0000	1	300.00	1SNK 160 020 D0201			
4	Tools	PS-3	1SNK 900 650 R0000	1	380.00	1SNK 160 024 D0201			
5	Terminal Block Markers	MC812	1SNK 160 000 R0000	22	0.09	1SNK 160 009 D0201			
		UMH	1SNK 900 611 R0000	10	0.20	1SNK 160 001 D0201			
		PROCAP8	1SNK 900 613 R0000	20	1.00	1SNK 160 013 D0201			
		SAT8	1SNK 900 616 R0000	5	6.00	1SNK 160 013 D0201			

